

L Number	Hits	Search Text	DB	Time stamp
1	37826	(257/\$.ccls. 438/\$.ccls. 427/\$.ccls.) and (bump\$1 pad\$1)	USPAT	2004/05/24 14:47
2	13263	(hole\$1 opening\$1 trench\$2 groove\$1 aperture\$1 recess\$3 cavit\$3 via\$1) same bond\$3 and ((257/\$.ccls. 438/\$.ccls. 427/\$.ccls.) and (bump\$1 pad\$1))	USPAT	2004/05/24 14:49
3	4	((hole\$1 opening\$1 trench\$2 groove\$1 aperture\$1 recess\$3 cavit\$3 via\$1) same bond\$3 and ((257/\$.ccls. 438/\$.ccls. 427/\$.ccls.) and (bump\$1 pad\$1))) and (oxide\$1 dioxide sio2 siox sio?sub.2 sio?sub.x) near7 (HSQ silsesquioxane\$1 msq) same (heat\$3 bak\$3 cur\$3 treat\$4)	USPAT	2004/05/24 14:52
4	4	((hole\$1 opening\$1 trench\$2 groove\$1 aperture\$1 recess\$3 cavit\$3 via\$1) same bond\$3 and ((257/\$.ccls. 438/\$.ccls. 427/\$.ccls.) and (bump\$1 pad\$1))) and (oxide\$1 dioxide sio2 siox sio?sub.2 sio?sub.x) near7 (HSQ silsesquioxane\$1 msq) same (heat\$3 bak\$3 cur\$3 treat\$4) and (HSQ silsesquioxane\$1 msq) same (heat\$3 bak\$3 cur\$3 treat\$4)	USPAT	2004/05/24 14:52
-	37751	(257/\$.ccls. 438/\$.ccls. 427/\$.ccls.) and (bump\$1 pad\$1)	USPAT	2004/05/24 14:46
-	2998	((257/\$.ccls. 438/\$.ccls. 427/\$.ccls.) and (bump\$1 pad\$1)) and (conduct\$3 metal\$3) near15 (side\$1wall\$1 spacer\$1)	USPAT	2004/05/14 17:27
-	2268	((257/\$.ccls. 438/\$.ccls. 427/\$.ccls.) and (bump\$1 pad\$1)) and (conduct\$3 metal\$3) near15 (side\$1wall\$1 spacer\$1) and (hole\$1 opening\$1 trench\$2 groove\$1 aperture\$1 recess\$3 cavit\$3 via\$1) same (spacer\$1 side\$1wall\$1)	USPAT	2004/05/14 17:27
-	801	((257/\$.ccls. 438/\$.ccls. 427/\$.ccls.) and (bump\$1 pad\$1)) and (conduct\$3 metal\$3) near15 (side\$1wall\$1 spacer\$1) and (hole\$1 opening\$1 trench\$2 groove\$1 aperture\$1 recess\$3 cavit\$3 via\$1) same (spacer\$1 side\$1wall\$1) and (conduct\$3 metal\$3) near5 (spacer\$1)	USPAT	2004/05/17 09:21
-	3	("5427962") or ("5943559") or ("5930657")).PN.	USPAT; US-PGPUB; EPO; JPO	2004/05/17 09:22
-	37751	(257/\$.ccls. 438/\$.ccls. 427/\$.ccls.) and (bump\$1 pad\$1)	USPAT	2004/05/17 10:49
-	32594	(hole\$1 opening\$1 trench\$2 groove\$1 aperture\$1 recess\$3 cavit\$3 via\$1) and ((257/\$.ccls. 438/\$.ccls. 427/\$.ccls.) and (bump\$1 pad\$1))	USPAT	2004/05/17 10:51
-	13695	(hole\$1 opening\$1 trench\$2 groove\$1 aperture\$1 recess\$3 cavit\$3 via\$1) same (conduct\$3 metal\$3) same (lin\$3 spac\$3 barrier protect\$3) and ((hole\$1 opening\$1 trench\$2 groove\$1 aperture\$1 recess\$3 cavit\$3 via\$1) and ((257/\$.ccls. 438/\$.ccls. 427/\$.ccls.) and (bump\$1 pad\$1)))	USPAT	2004/05/17 10:53
-	6240	(hole\$1 opening\$1 trench\$2 groove\$1 aperture\$1 recess\$3 cavit\$3 via\$1) near110 (conduct\$3 metal\$3) near7 (lin\$3 spac\$3 barrier protect\$3) and ((hole\$1 opening\$1 trench\$2 groove\$1 aperture\$1 recess\$3 cavit\$3 via\$1) same (conduct\$3 metal\$3) same (lin\$3 spac\$3 barrier protect\$3) and ((hole\$1 opening\$1 trench\$2 groove\$1 aperture\$1 recess\$3 cavit\$3 via\$1) and ((257/\$.ccls. 438/\$.ccls. 427/\$.ccls.) and (bump\$1 pad\$1)))	USPAT	2004/05/17 11:00

-	2584	(hole\$1 opening\$1 trench\$2 groove\$1 aperture\$1 recess\$3 cavit\$3 via\$1) same bond\$3 and ((hole\$1 opening\$1 trench\$2 groove\$1 aperture\$1 recess\$3 cavit\$3 via\$1) near110 (conduct\$3 metal\$3) near7 (lin\$3 spac\$3 barrier protect\$3) and ((hole\$1 opening\$1 trench\$2 groove\$1 aperture\$1 recess\$3 cavit\$3 via\$1) same (conduct\$3 metal\$3) same (lin\$3 spac\$3 barrier protect\$3) and ((hole\$1 opening\$1 trench\$2 groove\$1 aperture\$1 recess\$3 cavit\$3 via\$1) and ((257/\$.ccls. 438/\$.ccls. 427/\$.ccls.) and (bump\$1 pad\$1)))))	USPAT	2004/05/24 14:48
-	2340	(interconnect\$4 contact\$3 plug\$1 wiring\$1 wire\$1) same bond\$3 and ((hole\$1 opening\$1 trench\$2 groove\$1 aperture\$1 recess\$3 cavit\$3 via\$1) same bond\$3 and ((hole\$1 opening\$1 trench\$2 groove\$1 aperture\$1 recess\$3 cavit\$3 via\$1) near110 (conduct\$3 metal\$3) near7 (lin\$3 spac\$3 barrier protect\$3) and ((hole\$1 opening\$1 trench\$2 groove\$1 aperture\$1 recess\$3 cavit\$3 via\$1) same (conduct\$3 metal\$3) same (lin\$3 spac\$3 barrier protect\$3) and ((hole\$1 opening\$1 trench\$2 groove\$1 aperture\$1 recess\$3 cavit\$3 via\$1) and ((257/\$.ccls. 438/\$.ccls. 427/\$.ccls.) and (bump\$1 pad\$1)))))	USPAT	2004/05/17 10:59
-	126	(sidewall\$1 side adj wall\$1)near10 (conduct\$3 metal\$3) near7 (lin\$3 spac\$3 barrier protect\$3) and ((interconnect\$4 contact\$3 plug\$1 wiring\$1 wire\$1) same bond\$3 and ((hole\$1 opening\$1 trench\$2 groove\$1 aperture\$1 recess\$3 cavit\$3 via\$1) same bond\$3 and ((hole\$1 opening\$1 trench\$2 groove\$1 aperture\$1 recess\$3 cavit\$3 via\$1) near110 (conduct\$3 metal\$3) near7 (lin\$3 spac\$3 barrier protect\$3) and ((hole\$1 opening\$1 trench\$2 groove\$1 aperture\$1 recess\$3 cavit\$3 via\$1) same (conduct\$3 metal\$3) same (lin\$3 spac\$3 barrier protect\$3) and ((hole\$1 opening\$1 trench\$2 groove\$1 aperture\$1 recess\$3 cavit\$3 via\$1) and ((257/\$.ccls. 438/\$.ccls. 427/\$.ccls.) and (bump\$1 pad\$1)))))	USPAT	2004/05/17 13:00
-	2	((("6163074") or ("6222270")).PN.	USPAT; US-PGPUB; EPO; JPO	2004/05/20 08:57